

SAFETY-GRIP® TREAD FRICTION TEST REPORT

PURPOSE

The purpose of this test is to determine the coefficient of friction of SAFETY-GRIP® grating treads.

EQUIPMENT

- Two (2) SAFETY-GRIP® grating treads
- Friction skid tester
- 500 lbs load
- Load cell
- Forklift

PROCEDURE

- Anchor both grating treads.
- Place friction skid on treads (one shoe on each tread).
- Lower 500 lbs load on skid using forklift.
- Attach straps and load cell to skid.
- Pull skid until maximum friction force is recorded.
- Repeat process with wetted surfaces.
- RESULTS Dry: 1.19
- Wet: 1.08

RESULTS

Dry - F	Wet - F
a. 618 lbf	e. 564 lbf
b. 649 lbf	f. 569 lbf
c. 588 lbf	g. 550 lbf
d. 626 lbf	h. 573 lbf

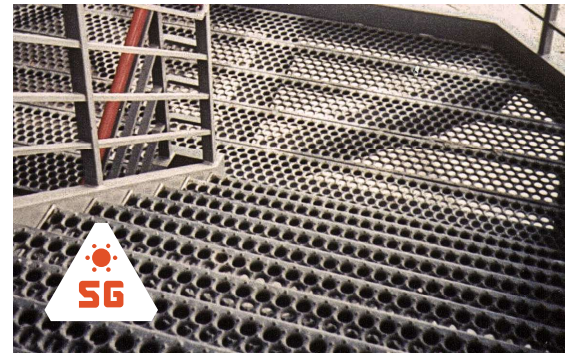
CALCULATIONS

Weight of skid + load. Average coefficient of friction

- Dry $\mu = 1.19$
- Wet $\mu = 1.08$

CONCLUSION

The friction coefficient for AMICO Safety-Grip® safety grating exceeds anti-slip standards RR-G-1602D. FS RR-G-1602D is withdrawn but commonly referenced.



The friction tests described in this report were conducted on May 19, 2011 under my supervision. The data presented herein has been reviewed and approved by me.

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